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Taint analysis, a form of information-flow analysis, establishes whether values from untrusted methods and parameters may flow into security-sensitive operations. Taint analysis can detect many common vulnerabilities Web applications, and so has attracted ...

**Keywords:** java, program analysis, security, slicing, static analysis, taint analysis, web application

Also published in:

May 2009 **SIGPLAN Notices** Volume 44 Issue 6**ADVANCED SEARCH**[Advanced Search](#)**FEEDBACK**[Please provide us with feedback](#)Found **4,748** of **1,755,884****2** [Predictable performance and high query concurrency for data analytics](#)[George Candea](#), [Neekta Polyzotis](#), [Radek Vingralek](#)April 2011 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 20 Issue 2**Publisher:** Springer-Verlag New York, Inc.Full text available: [PDF](#) (993.19 KB)**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 91, Downloads (Overall): 91, Citation Count: 0

Conventional data warehouses employ the query-at-a-time model, which maps each query to a distinct physical plan. When several queries execute concurrently, this model introduces contention and thrashing, because the physical plans--unaware of each other--compete ...

**Keywords:** Concurrency, Join, Sharing, Warehouse**3** [Error propagation analysis for file systems](#)[Cindy Rubio-González](#), [Harvard S. Gunawi](#), [Ben Liblit](#), [Remzi H. Arpaci-Dusseau](#), [Andrea C. Arpaci-Dusseau](#)June 2009 **PLDI '09**: Proceedings of the 2009 ACM SIGPLAN conference on Programming language design and implementation**Publisher:** ACM [Request Permissions](#)Full text available: [PDF](#) (806.22 KB)**Bibliometrics:** Downloads (6 Weeks): 29, Downloads (12 Months): 100, Downloads (Overall): 316, Citation Count:

Unchecked errors are especially pernicious in operating system file management code. Transient or permanent hardware failures are inevitable, and error-management bugs at the file system layer can cause silent, unrecoverable data corruption. We propose ...

**Keywords:** binary decision diagrams, copy constant propagation, interprocedural dataflow analysis, static program analysis, weighted pushdown systems

Also published in:

May 2009 **SIGPLAN Notices** Volume 44 Issue 6**4** [Fault diagnosis for high-level applications based on dynamic Bayesian network](#)[Zhigang Li](#), [Lu Cheng](#), [Xue-Song Qiu](#), [Li Wu](#)September 2009 **APNOMS'09**: Proceedings of the 12th Asia-Pacific network operations and management conference Management enabling the future internet for changing business and new computing services**Publisher:** Springer-Verlag**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

In order to improve the quality of Internet service, it is important to quickly and accurately diagnose the root fa

from the observed symptoms and knowledge. Because of the dynamical changes in service system which are caused by many factors such ...

**Keywords:** approximate inference, dynamic bayesian network, fault diagnosis, noisy environment

##### 5 Use of ontologies in a pervasive computing environment

Anand Ranganathan, Robert E McGrath, Roy H. Campbell, M. Dennis Mickunas

September 2003

**The Knowledge Engineering Review** , Volume 18 Issue 3

**Publisher:** Cambridge University Press

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Ontologies are entering widespread use in many areas such as knowledge and content management, electronic commerce and the Semantic Web. In this paper we show how the use of ontologies has helped us overcome so important problems in the development ...

##### 6 Simulations of large-scale WiFi-based wireless networks: Interdisciplinary challenges and applications

Maziar Nekovee, Radhika S. Saksena

March 2010

**Future Generation Computer Systems** , Volume 26 Issue 3

**Publisher:** Elsevier Science Publishers B. V.

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Wireless Fidelity (WiFi) is the fastest growing wireless technology to date. In addition to providing wire-free connectivity to the Internet WiFi technology also enables mobile devices to connect directly to each other and fi highly dynamic wireless ...

**Keywords:** Interacting many-particle systems, Large-scale simulations, Wireless computer networks, Wireless grids


##### 7 Capriccio: scalable threads for internet services

Rob van Sahren, Jeremy Condit, Feng Zhou, George O. Neoula, Eric Brewer

December 2003

**SOSP '03: Proceedings of the nineteenth ACM symposium on Operating systems princ**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (312.83 KB)

**Bibliometrics:** Downloads (6 Weeks): 33, Downloads (12 Months): 155, Downloads (Overall): 1340, Citation Count

This paper presents Capriccio, a scalable thread package for use with high-concurrency servers. While recent w has advocated event-based systems, we believe that thread-based systems can provide a simpler programming model that achieves equivalent ...

**Keywords:** blocking graph, dynamic stack growth, linked stack management, resource-aware scheduling, user level threads

Also published in:

December 2003 **SIGOPS Operating Systems Review** Volume 37 Issue 5


##### 8 TI: an efficient indexing mechanism for real-time search on tweets

Chun Chen, Feng Li, Feng Chen, Gao, Sai Wu

June 2011

**SIGMOD '11: Proceedings of the 2011 international conference on Management of data**

**Publisher:** ACM  [Request Permissions](#)

Full text available:  [PDF](#) (1.05 MB)

**Bibliometrics:** Downloads (6 Weeks): 57, Downloads (12 Months): 191, Downloads (Overall): 191, Citation Count:

Real-time search dictates that new contents be made available for search immediately following their creation. the database perspective, this requirement may be quite easily met by creating an up-to-date index for the contents and measuring search ...

**Keywords:** index, ranking, real-time search


##### 9 The end of an architectural era: (it's time for a complete rewrite)

Michael Stonebraker, Samuel Madden, Daniel J. Abadi, Stavros Harizopoulos, Nabii Hachem, Pat Heland

September 2007

**VLDB '07: Proceedings of the 33rd international conference on Very large data base**

**Publisher:** VLDB Endowment

Full text available:  [Pdf](#) (445.58 KB)

**Bibliometrics:** Downloads (6 Weeks): 36, Downloads (12 Months): 280, Downloads (Overall): 1187, Citation Count

In previous papers [SC05, SBC+07], some of us predicted the end of "one size fits all" as a commercial relator DBMS paradigm. These papers presented reasons and experimental evidence that showed that the major RDBA vendors can be outperformed by ...

10 [Detecting communities and their evolutions in dynamic social networks--a Bayesian approach](#)

Tianhao Yang, Yun Chi, Shenghua Zhu, Xihong Gong, Hong Jin

February 2011

**Machine Learning** , Volume 82 Issue 2

**Publisher:** Kluwer Academic Publishers

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Although a large body of work is devoted to finding communities in static social networks, only a few studies examined the dynamics of communities in evolving social networks. In this paper, we propose a dynamic stochastic block model for finding communities ...

**Keywords:** Bayesian inference, Community, Community evolution, Dynamic stochastic block model, Gibbs sampling, Social network

11 [Temperature prediction and TAIEX forecasting based on fuzzy relationships and MTPSO techniques](#)

Ling-Yuan Hsu, Shi-Jann Horng, Tsong-Wan Kuo, Yuan-Hsin Chen, Ray-Shine Run, Rong-Jian Chen, Jui-Lin Lai, Li-Kuo

April 2010

**Expert Systems with Applications: An International Journal** , Volume 37 Issue 4

**Publisher:** Pergamon Press, Inc.

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

In this paper, we proposed a modified turbulent particle swarm optimization (named MTPSO) method for the temperature prediction and the Taiwan Futures Exchange (TAIEX) forecasting, based on the two-factor fuzzy time series and particle swarm optimization. ...

**Keywords:** Forecasting, Fuzzy relationships, Fuzzy time series, Modify turbulent particle swarm optimization, T factors

12 [Broadening accessibility through special interests: a new approach for software customization](#)

Robert R. Morris, Gennar R. Kirschbaum, Rosalind W. Beard



October 2010 **ASSETS '10: Proceedings of the 12th international ACM SIGACCESS conference on Computers and accessibility**

**Publisher:** ACM [Request Permissions](#)

Full text available: [Pdf](#) (1.14 MB)

**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 75, Downloads (Overall): 75, Citation Count: 1

Individuals diagnosed with autism spectrum disorder (ASD) often fixate on narrow, restricted interests. These interests can be highly motivating, but they can also create attentional myopia, preventing individuals from pursuing a broad range of activities. ...

**Keywords:** autism, preferred interests, software and technology design

13 [Surfing the net for software engineering notes](#)

Mark Deutchhofer



July 2010

**SIGSOFT Software Engineering Notes** , Volume 35 Issue 4

**Publisher:** ACM

Full text available: [Pdf](#) (1.04 MB)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 37, Downloads (Overall): 107, Citation Count: 0

14 [Scalability analysis of three monitoring and information systems: MDS2, R-GMA, and Hawkeye](#)

Xuehai Zhang, Jeffrey L. Freschi, Jennifer M. Schopf

August 2007

**Journal of Parallel and Distributed Computing** , Volume 67 Issue 8

**Publisher:** Academic Press, Inc.

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Monitoring and information system (MIS) implementations provide data about available resources and services within a distributed system, or Grid. A comprehensive performance evaluation of an MIS can aid in detecting potential bottlenecks, advise in deployment, ...

**Keywords:** Distributed systems, Grid performance study, Monitoring and information systems, Performance analysis

15 [Indexing spatiotemporal archives](#)

Marios Hadjieleftheriou, George Kollias, J. Tsotras, Dimitrios Gunopoulos

June 2006

**The VLDB Journal — The International Journal on Very Large Data Bases** , Volume 15 Issue :

**Publisher:** Springer-Verlag New York, Inc.

Full text available: [Pdf](#) (568.95 KB)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 30, Downloads (Overall): 374, Citation Count: 18

Spatiotemporal objects – that is, objects that evolve over time – appear in many applications. Due to the nature of such applications, storing the evolution of objects through time in order to answer historical queries (queries that refer ...

**Keywords:** Indexing, Moving objects, Spatiotemporal databases, Trajectories

#### 16 [Data stream management for historical XML data](#)

[Suize Boss](#), [Leonidas Fegaras](#)

June 2004

**SIGMOD '04:** Proceedings of the 2004 ACM SIGMOD international conference on Management of data

**Publisher:** ACM [Request Permissions](#)

Full text available: [PDF](#) (207.19 KB)

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 25, Downloads (Overall): 895, Citation Count: 5

We are presenting a framework for continuous querying of time-varying streamed XML data. A continuous stream of our framework consists of a finite XML document followed by a continuous stream of updates. The unit of update is an XML fragment, which can ...

#### 17 [Factors mediating disclosure in social network sites](#)

[Fred Stutzman](#), [Robert Capra](#), [Jamila Thompson](#)

January 2011

**Computers in Human Behavior**, Volume 27 Issue 1

**Publisher:** Elsevier Science Publishers B. V.

**Bibliometrics:** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count: 0

In this paper, we explore how privacy settings and privacy policy consumption (reading the privacy policy) affect the relationship between privacy attitudes and disclosure behaviors. We present results from a survey completed by 122 users of Facebook ...

**Keywords:** Facebook, Policy, Privacy, Social network sites, Social networking, Survey

#### 18 [RTVR: a flexible java library for interactive volume rendering](#)

[Lukas Mroz](#), [Heiwig Hauser](#)

October 2001

**VIS '01:** Proceedings of the conference on Visualization '01

**Publisher:** IEEE Computer Society

Full text available: [Publisher Site](#), [PDF](#) (2.08 MB)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 11, Downloads (Overall): 387, Citation Count: 6

This paper presents several distinguishing design features of RTVR - a Java-based library for real-time volume rendering. We describe, how the careful design of data structures, which in our case are based on voxel enumeration, and an intelligent use ...

**Keywords:** interactive volume visualization, internet-based visualization, java

#### 19 [OceanStore: an architecture for global-scale persistent storage](#)

[John Kubiatowicz](#), [David Bindel](#), [Yan Chen](#), [Steven Czerwinski](#), [Patrick Eaton](#), [Dennis Geels](#), [Ramakrishna Gummadi](#), [Sean Rhea](#), [Hakim Weatherspoon](#), [Chris Wells](#), [Ben Zhao](#)

December 2000

**ASPLOS-IX:** Proceedings of the ninth international conference on Architectural support for programming languages and operating systems

**Publisher:** ACM [Request Permissions](#)

Full text available: [PDF](#) (166.53 KB)

**Bibliometrics:** Downloads (6 Weeks): 39, Downloads (12 Months): 274, Downloads (Overall): 2353, Citation Count: 10

OceanStore is a utility infrastructure designed to span the globe and provide continuous access to persistent information. Since this infrastructure is comprised of untrusted servers, data is protected through redundancy and cryptographic techniques. ...

Also published in:

December 2000 **SIGARCH Computer Architecture News** Volume 28 Issue 5

December 2000 **SIGOPS Operating Systems Review** Volume 34 Issue 5

#### 20 [Address space randomization for mobile devices](#)

[Hristo Bojinov](#), [Dan Boneh](#), [Rich Canning](#), [Ilivan Malchev](#)

June 2011

**WiSec '11:** Proceedings of the fourth ACM conference on Wireless network security

**Publisher:** ACM [Request Permissions](#)

Full text available: [PDF](#) (580.85 KB)

**Bibliometrics:** Downloads (6 Weeks): 35, Downloads (12 Months): 58, Downloads (Overall): 58, Citation Count: 0

Address Space Layout Randomization (ASLR) is a defensive technique supported by many desktop and server

operating systems. While smartphone vendors wish to make it available on their platforms, there are technical challenges in implementing ASLR on these ...

**Keywords:** ASLR, android, control ow hijacking, mobile devices, return-to-libc, smartphones

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